

FIG. 3

REPLACEMENT SHEET Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 4/72 42 62 64 **ANTENNA** 63-**SPEAKER** TRANSMITTER/ RECEIVER 65 **DISPLAY** 61 **CONTROL SYSTEM** 66 70 **KEYPAD** NO 67 -69 **MICROPHONE** 1/0

Docket No.: 1033-T00142-C3

FIG. 4A

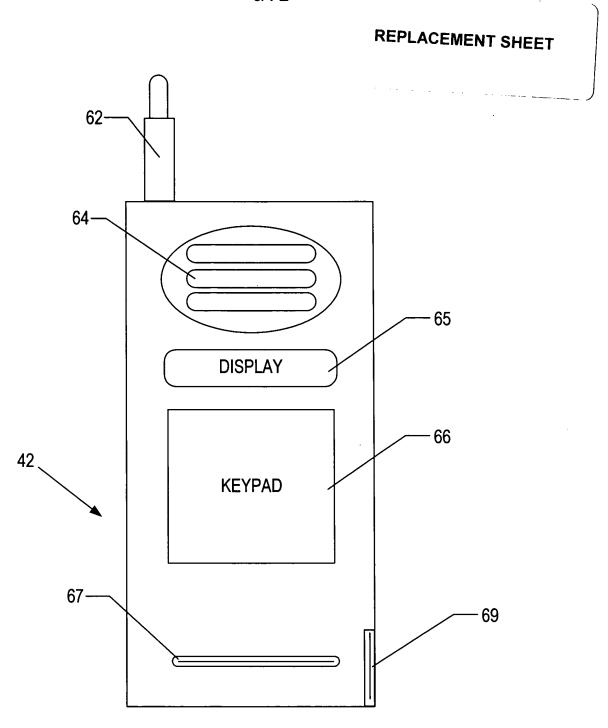
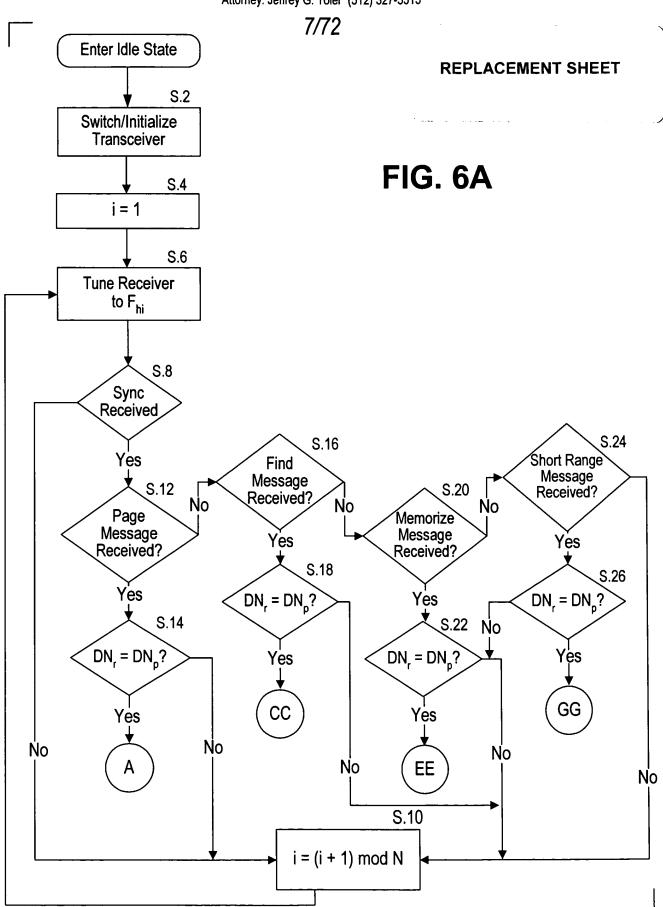


FIG. 4B

Docket No.: 1033-T00142-C3 Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 6/72 REPLACEMENT SHEET MEMORIZE REQUEST STATE 0 Q E FIND REQUEST STATE POWER ON IDLE STATE FIG. 5 CONVERSION STATE മ PAGING STATE ے



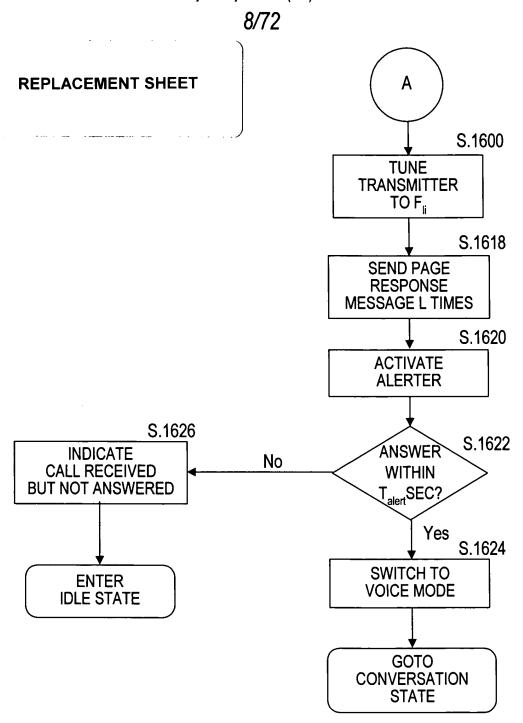
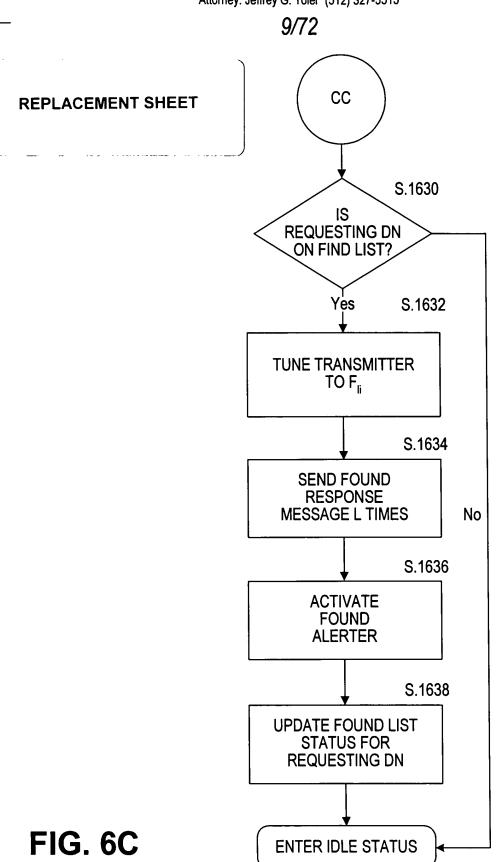


FIG. 6B



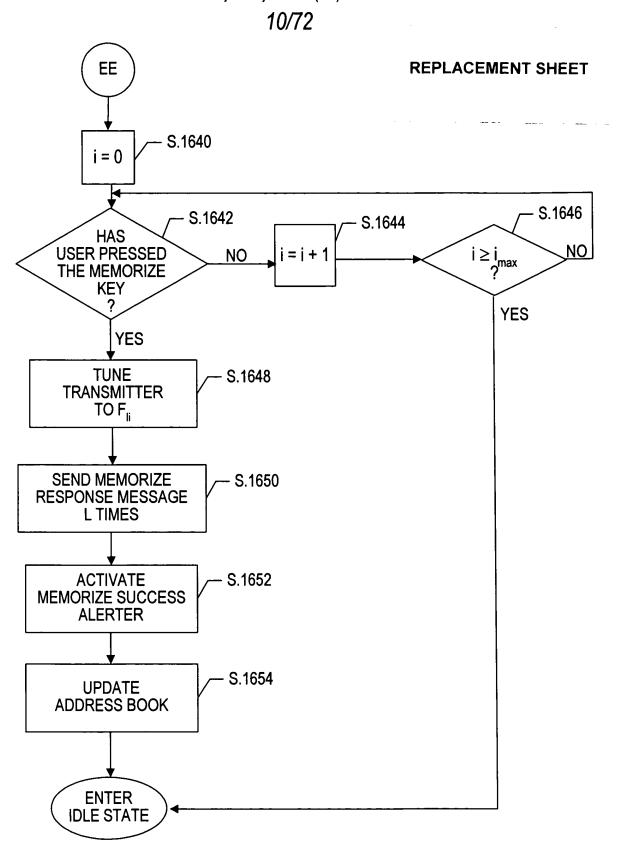


FIG. 6D

11/72

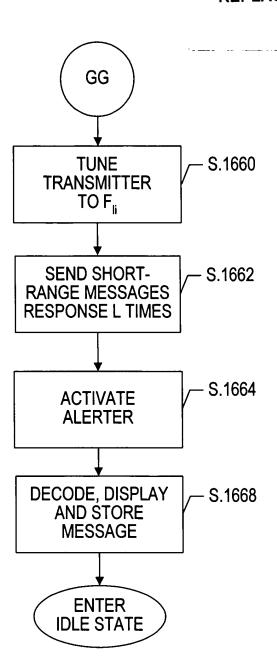
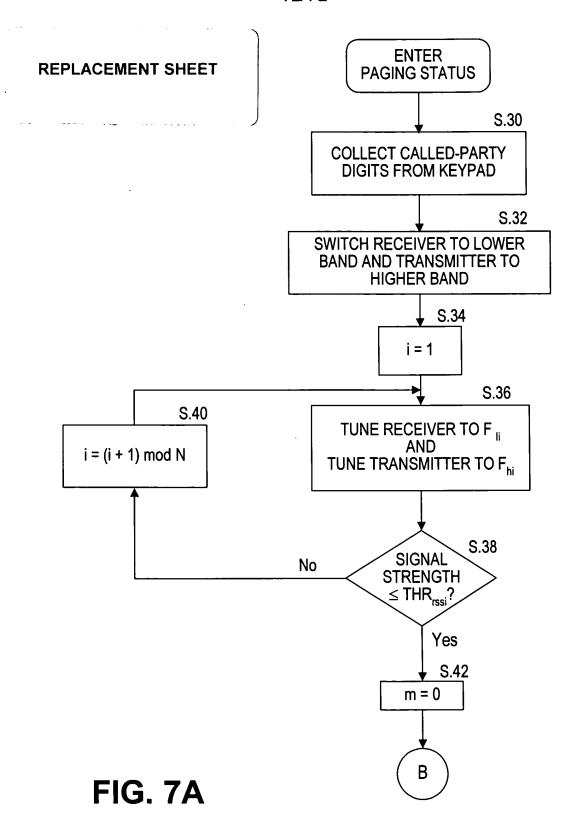
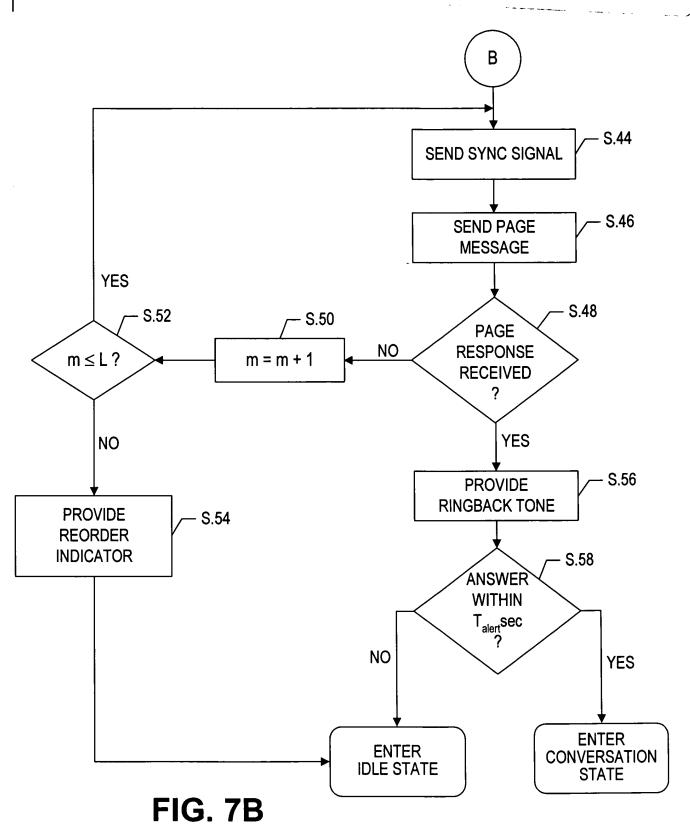


FIG. 6E



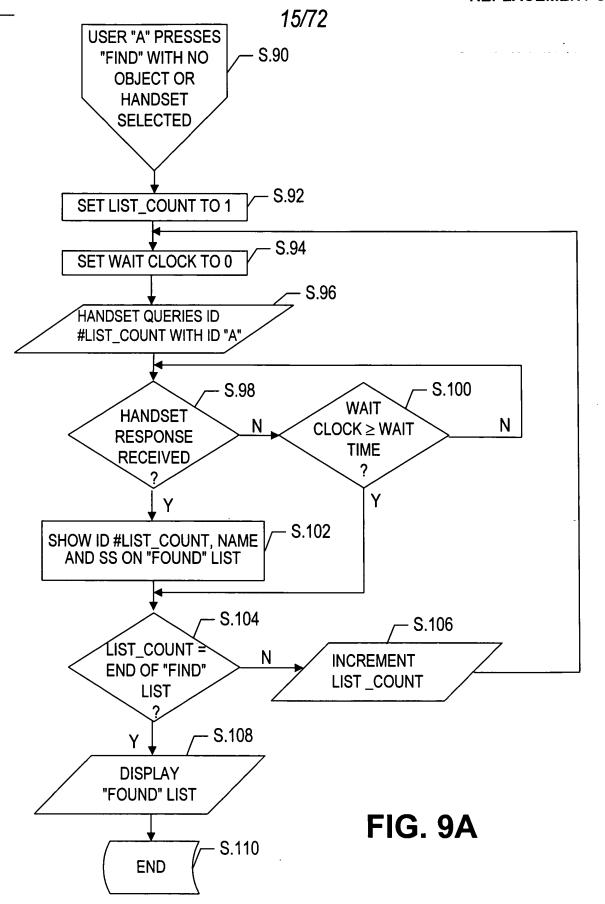
REPLACEMENT SHEET



Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 REPLACEMENT SHEET 14/72 **ENTER CONVERSATION STATE** S.60 **SWITCH CIRCUITRY TO** TRANSMIT AND RECEIVE **VOICE** S.62 SEND SUPERVISORY SIGNAL S.64 $t_s = 0$ **S.66 DECODE** SUPERVISORY SIGNAL **S.72** S.70 **S.68 MUTE** SUPERVISORY No $t_s = t_s + 1$ **RECEIVED SIGNAL AUDIO** PRESENT? Yes S.69 **S.74** S.78 · **UNMUTE** No No **END KEY RECEIVED** $t_S \ge T_{Hi}$ PRESSED? **AUDIO** Yes Yes S.80 **S.76 PROVIDE** GO TO **SWITCH CIRCUITRY** REORDER TO DATA CIRCUITRY **IDLE STATE INDICATOR**

Docket No.: 1033-T00142-C3

FIG. 8



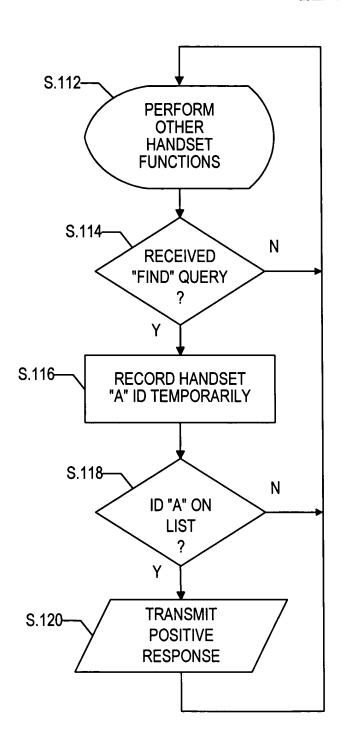
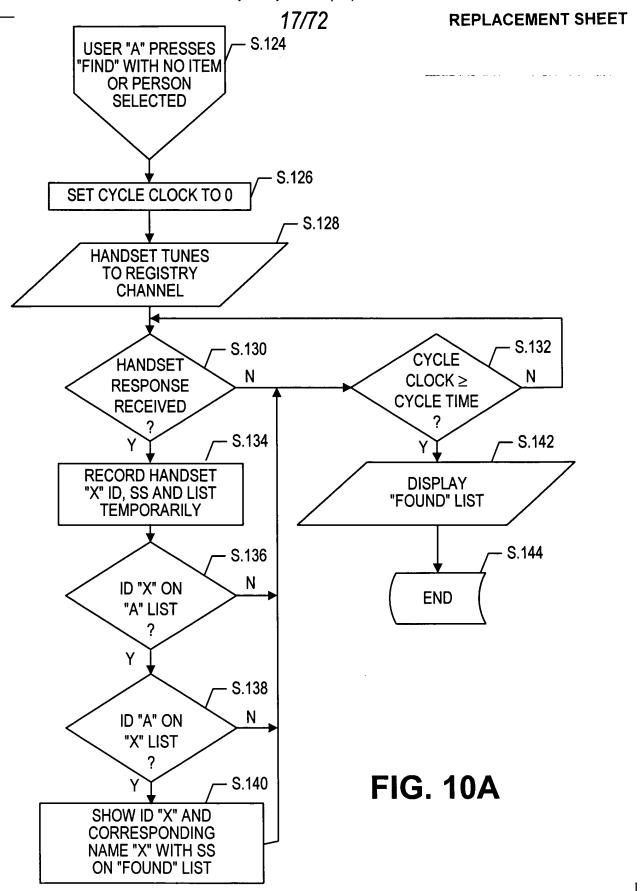


FIG. 9B



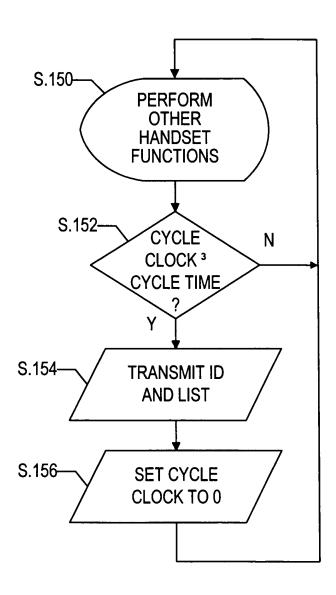
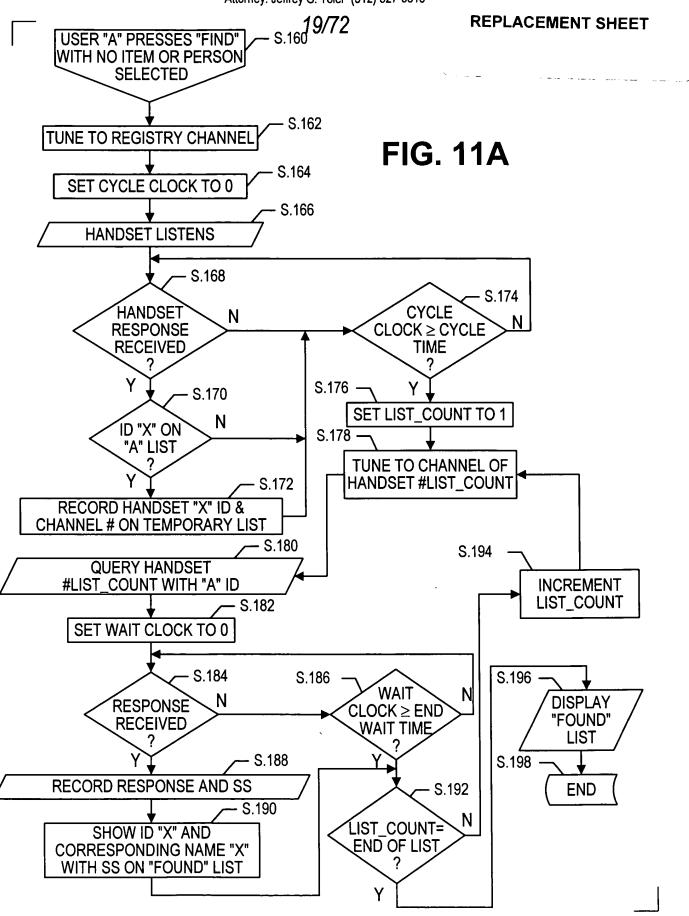


FIG. 10B



REPLACEMENT SHEET

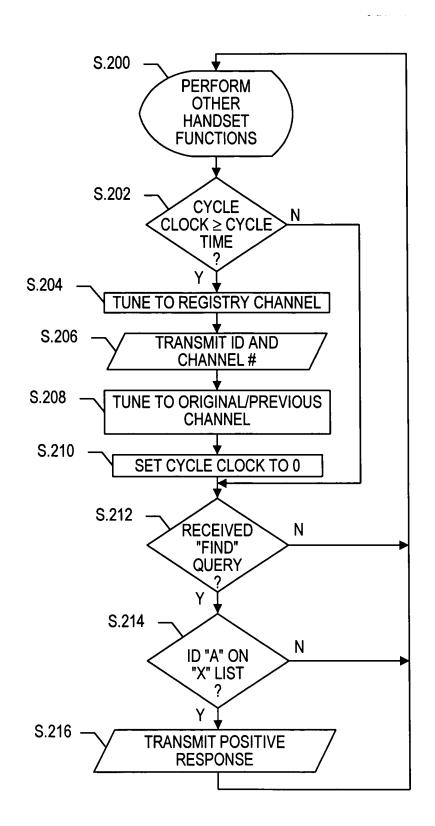
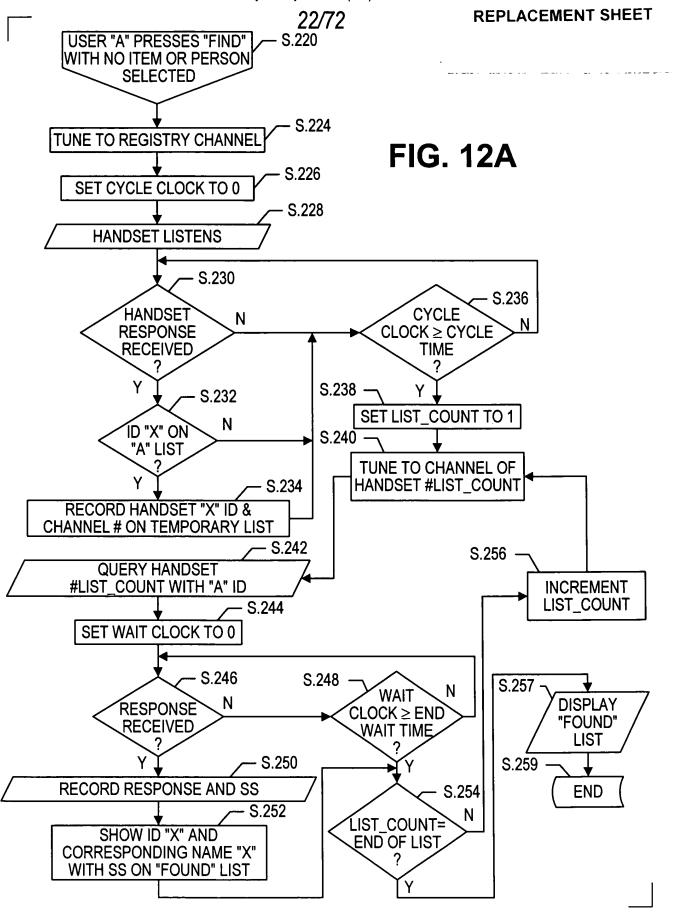
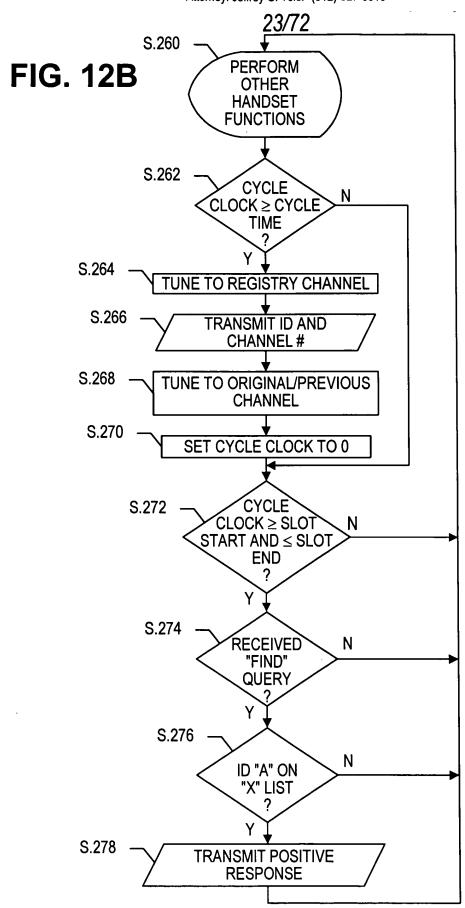


FIG. 11B

FIG. 11C





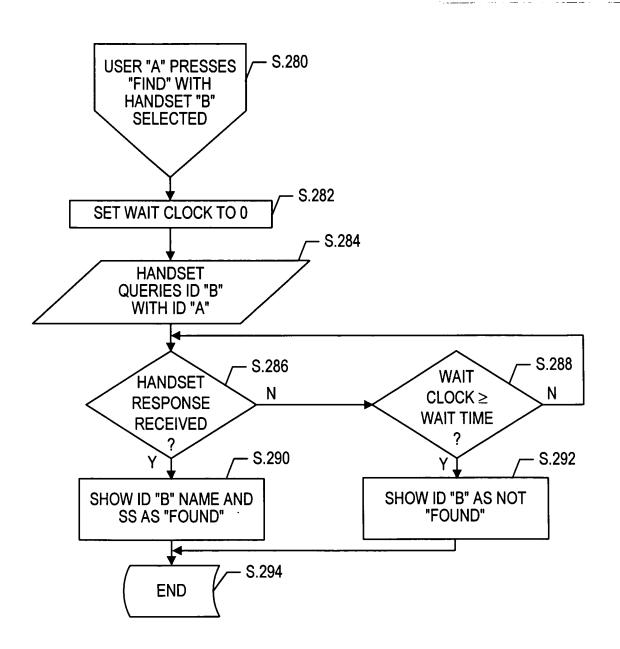


FIG. 13A

25/72

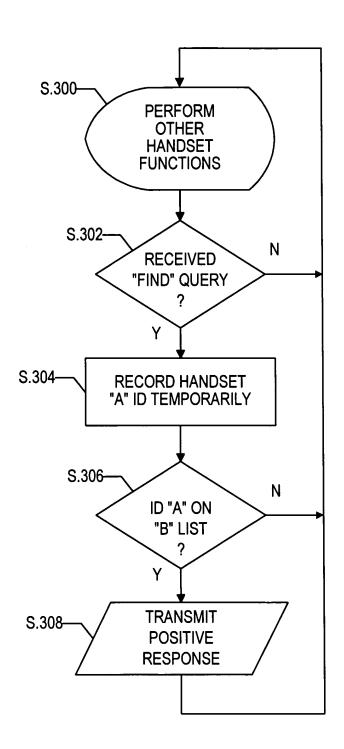
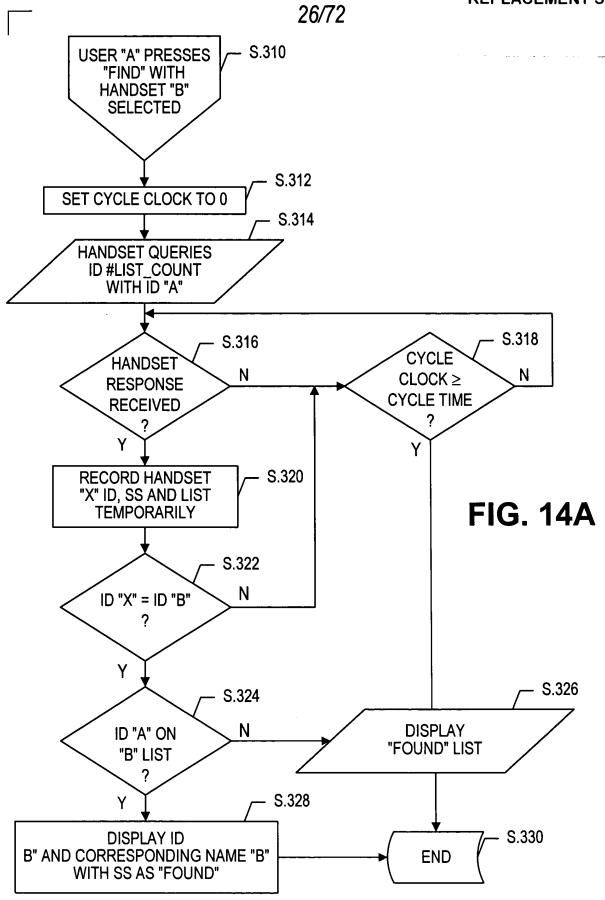


FIG. 13B



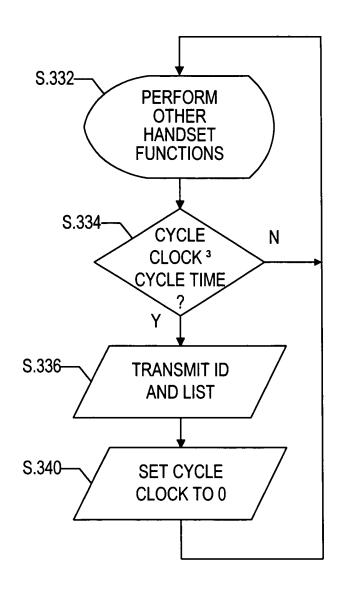
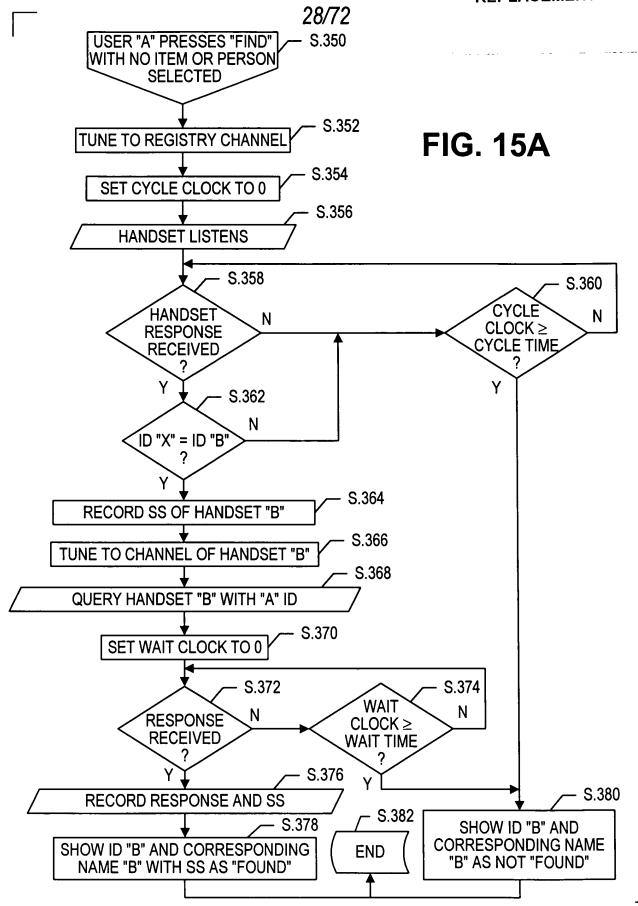
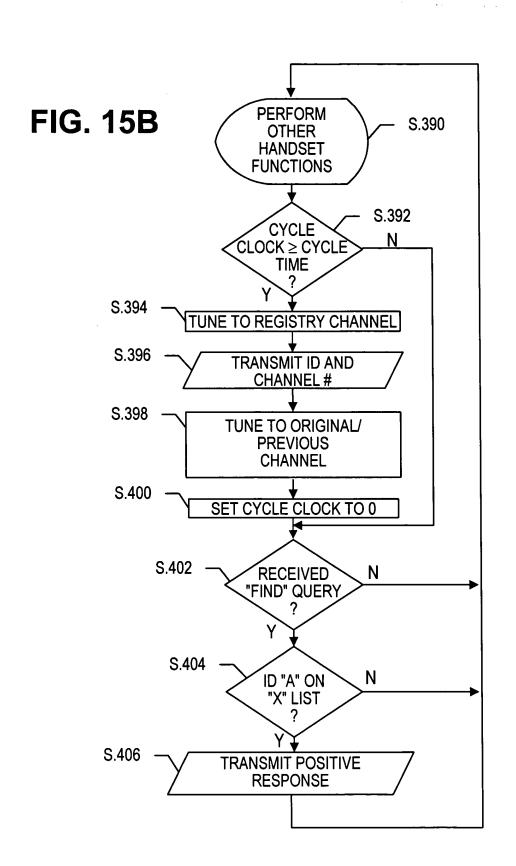


FIG. 14B

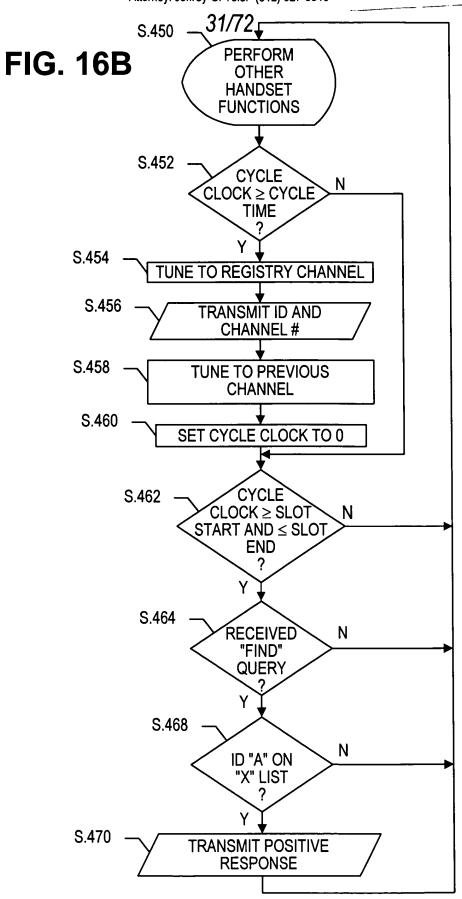




Docket No.: 1033-T00142-C3 Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 REPLACEMENT SHEET 30/72 S.410 **USER "A" PRESSES** "FIND" WITH HANDSET "B" **SELECTED** S.412 **FIG. 16A** TUNE TO REGISTRY CHANNEL S.414 SET CYCLE CLOCK TO 0 S.416 HANDSET LISTENS S.418 S.420 CYCLE HANDSET N Ν **CLOCK≥** RESPONSE CYCLE TIME RECEIVED Υ S.422 N ID "X" = ID "B" S.424 **RECORD SS OF HANDSET "B"** S.426 TUNE TO CHANNEL OF HANDSET "B" S.428 QUERY HANDSET "B" WITH "A" ID S.430 SET WAIT CLOCK TO 0 S.432 S.434 **WAIT** N RESPONSE CLOCK ≥ RECEIVED WAIT TIME S.436 S.440 RECORD RESPONSE AND SS · S.442 S.438 SHOW ID "B" AND CORRESPONDING NAME SHOW ID "B" AND CORRESPONDING **END**

NAME "B" WITH SS AS "FOUND"

"B" AS NOT "FOUND"



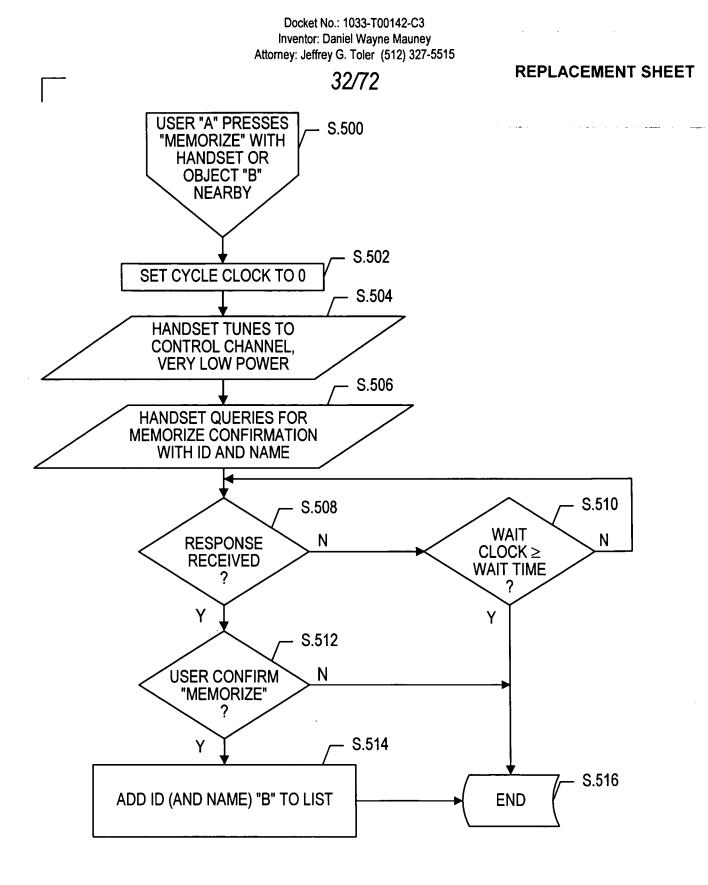


FIG. 17A

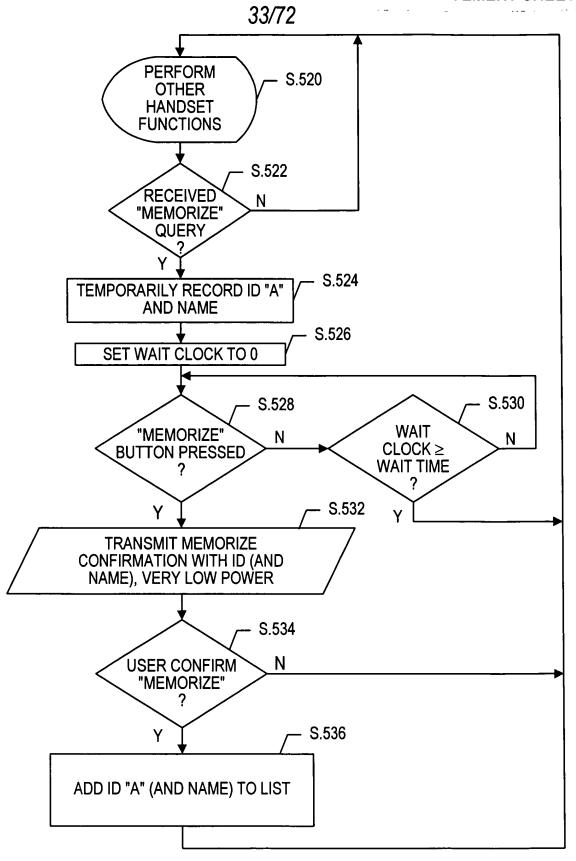
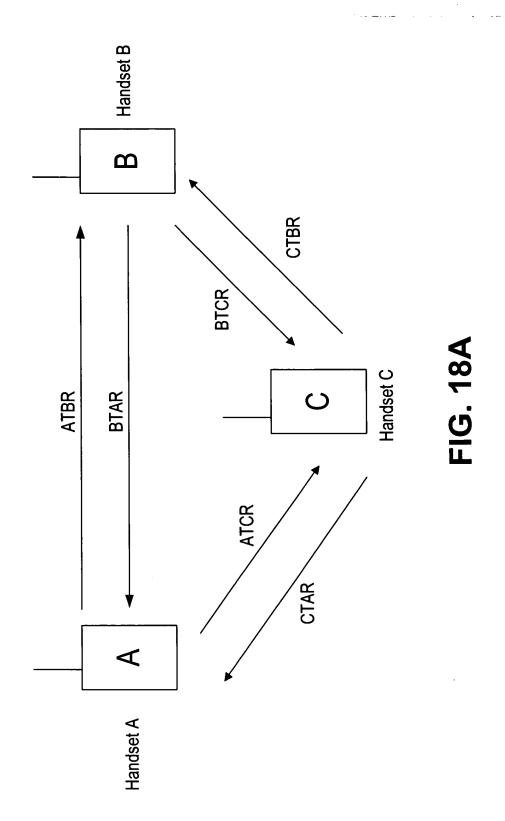


FIG. 17B



REPLACEMENT SHEET

	TS1	TS2	TS3
HANDSET A			
Transmit	С	ATBR	ATCR
Receive	С	CTAR	BTAR
HANDSET B			
Transmit	С	BTCR	BTAR
Receive	С	ATBR	CTBR
HANDSET C Transmit	С	CTAR	CTBR
Receive	С	BTCR	ATCR

FIG. 18B

	TS1	TS2	TS3
HANDSET A			
Transmit	С	ATBR	ATCR
Receive	CTAR	BTAR	С
HANDSET B Transmit	BTCR	BTAR	С
Receive	С	ATBR	CTBR
HANDSET C Transmit	CTAR	С	CTBR
Receive	BTCR	С	ATCR

FIG. 18C

37/72

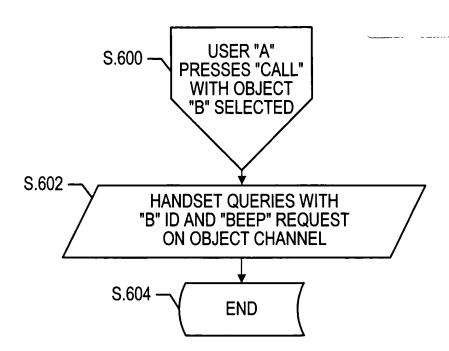


FIG. 19A

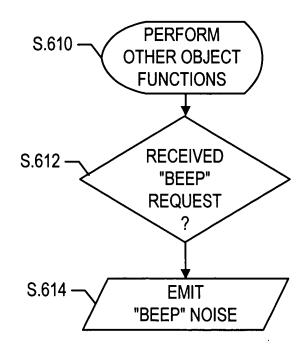


FIG. 19B

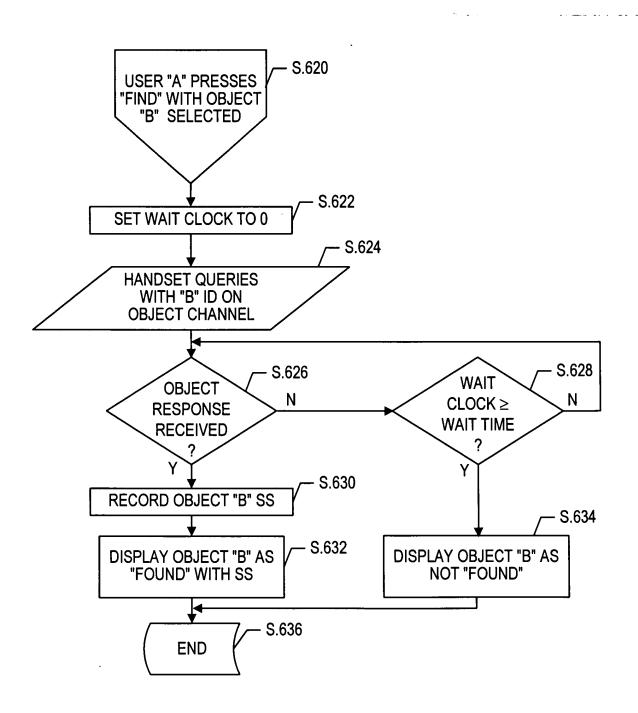


FIG. 20A

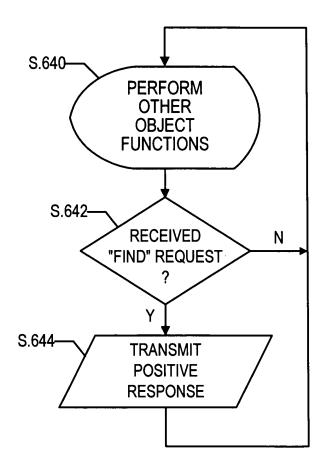
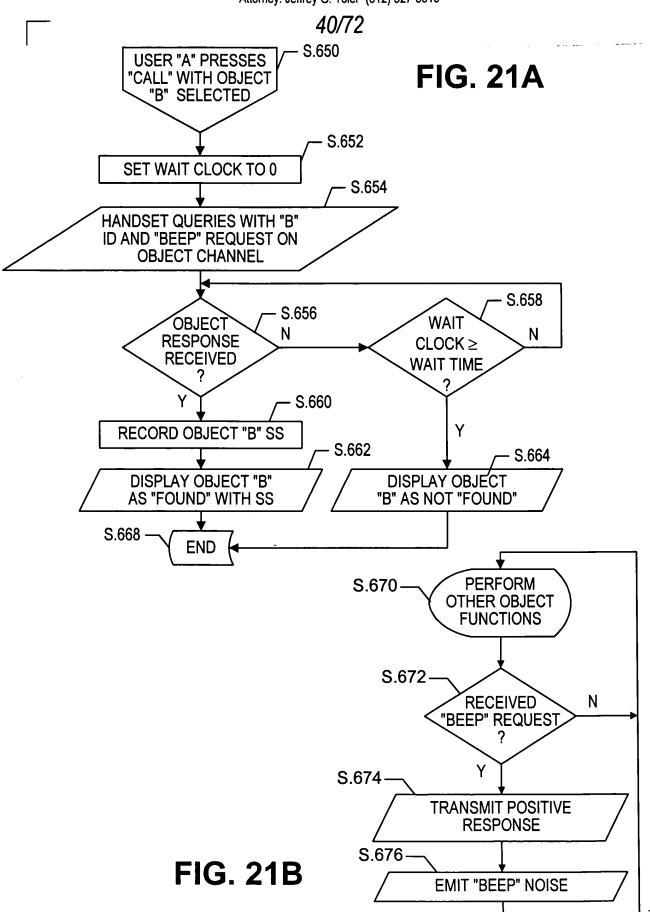
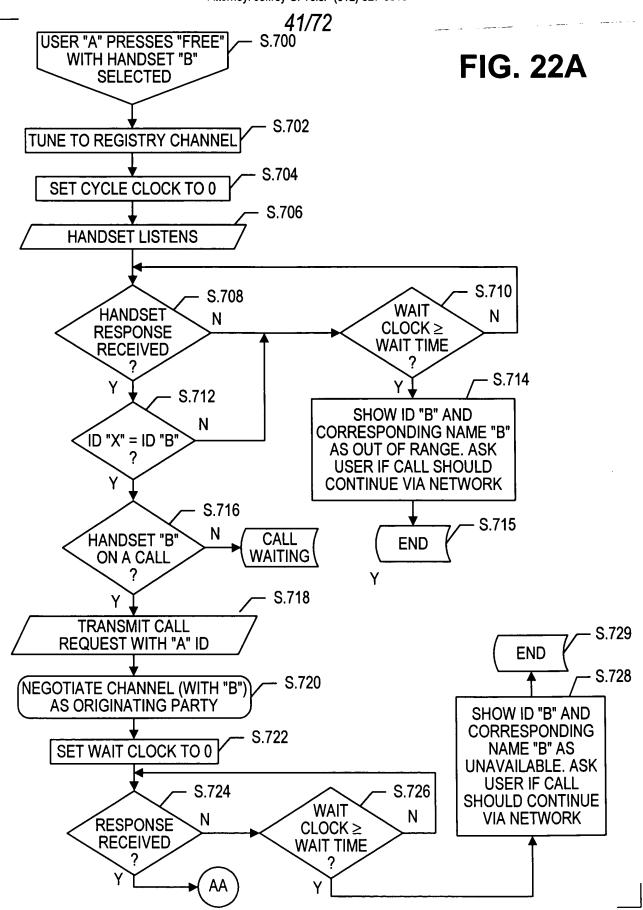


FIG. 20B





REPLACEMENT SHEET

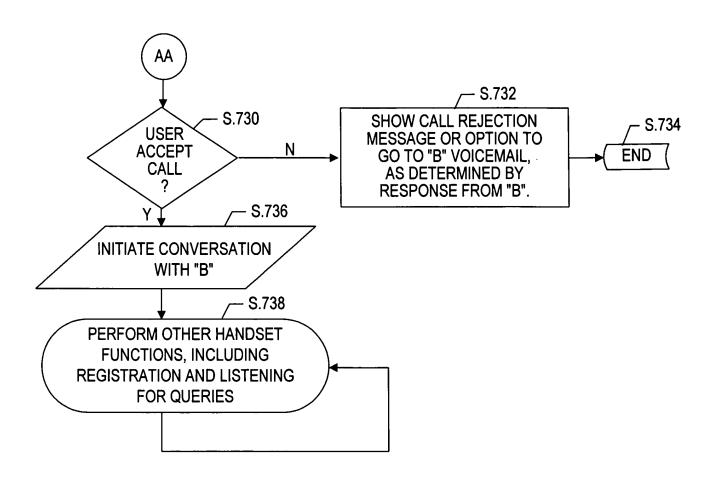
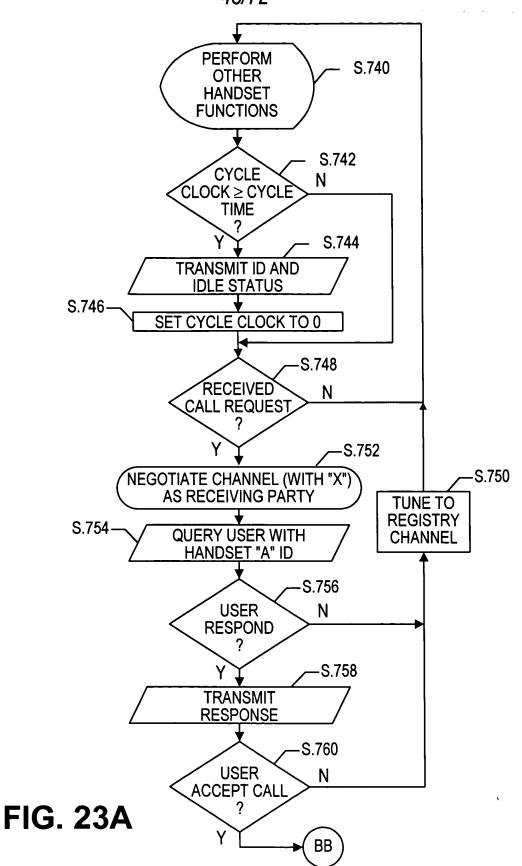


FIG. 22B



44/72

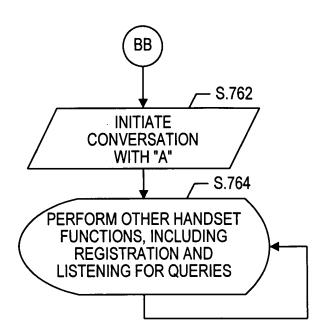
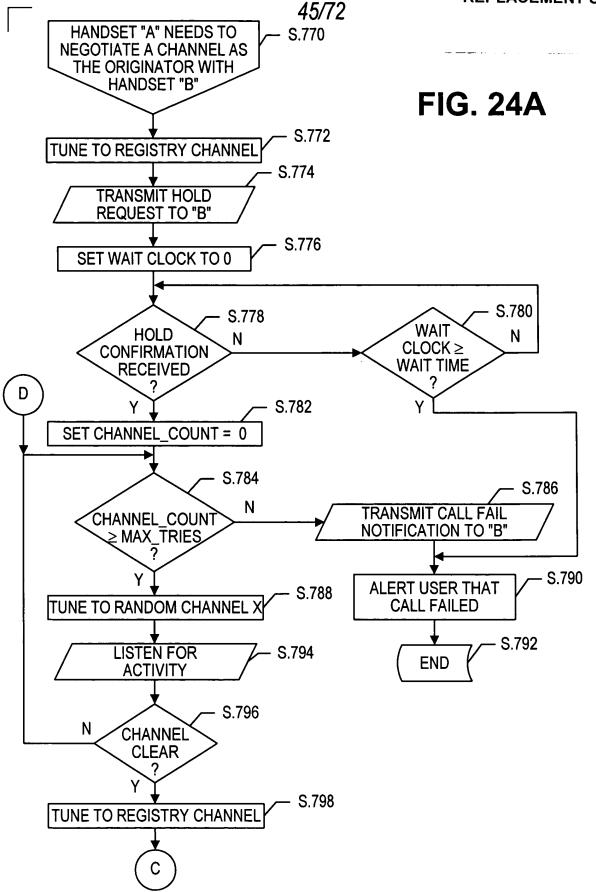


FIG. 23B



46/72

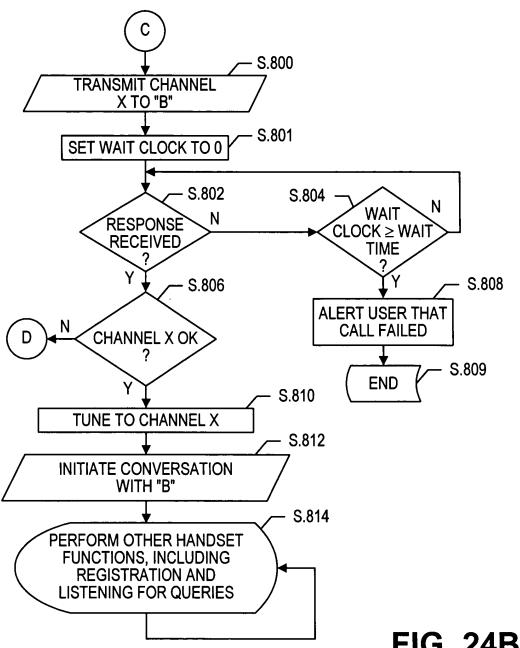


FIG. 24B

REPLACEMENT SHEET

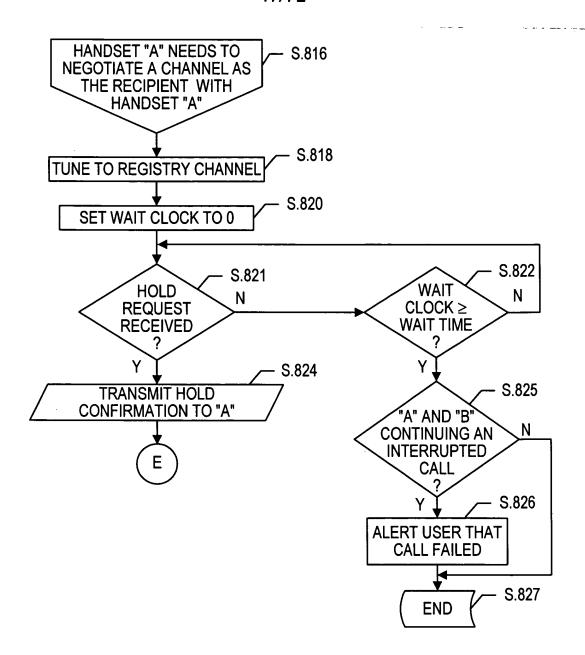


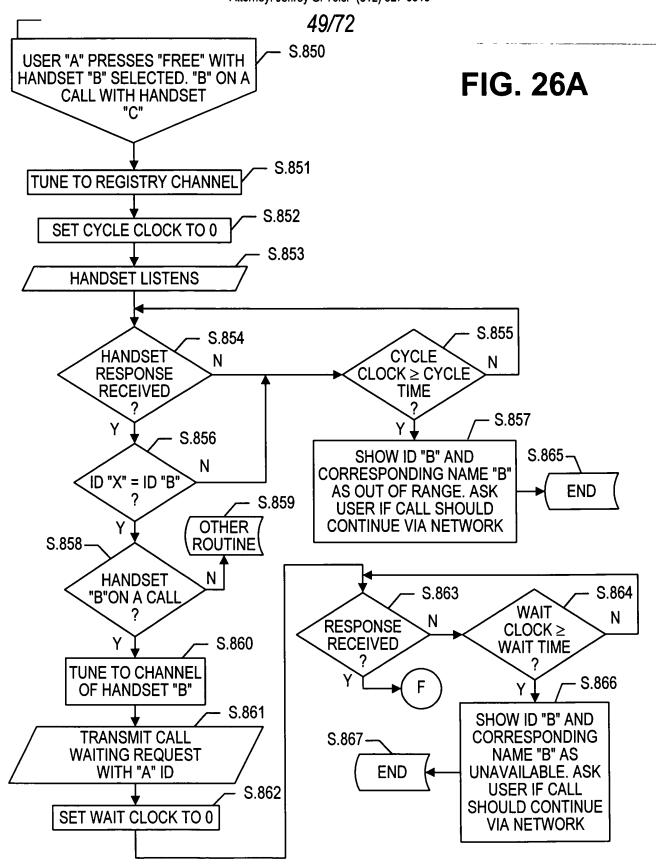
FIG. 25A

Docket No.: 1033-T00142-C3 Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 REPLACEMENT SHEET 48/72 Ε S.828 SET WAIT CLOCK TO 0 S.832 - S.830 WAIT Ν RESPONSE N CLOCK ≥ WAIT RECEIVED TIME S.833 Υ S.834 CALL FAIL N 'A" AND "B' **NOTIFICATION CONTINUING AN** RECEIVED **INTERRUPTED CALL** S.835 TUNE TO CHANNEL X S.836 S.837 **ALERT USER THAT** LISTEN FOR ACTIVITY **CALL FAILED** S.839 S.838 TUNE TO REGISTRY CHANNEL **END** S.843 S.840 Ν TUNE TO CHANNEL X CHANNEL X CLEAR S.847-S.846-**END** S.842 'A" AND "B' TRANSMIT CHANNEL N **CONTINUING AN** X OK TO "A" **INTERRUPTED** CALL S.844 S.848-TRANSMIT CHANNEL X BAD TO "A" INITIATE CONVERSATION WITH "A" Ε S.849-PERFORM OTHER HANDSET FUNCTIONS, INCLUDING

FIG. 25B

REGISTRATION AND

LISTENING FOR QUERIES



REPLACEMENT SHEET

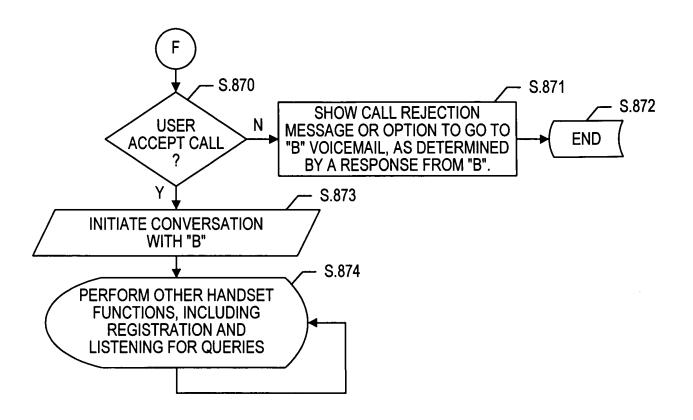
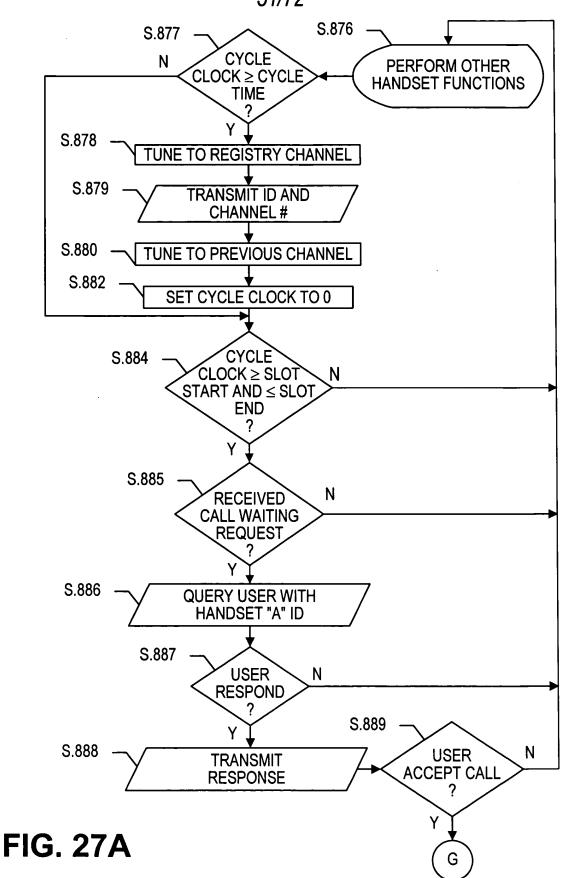


FIG. 26B





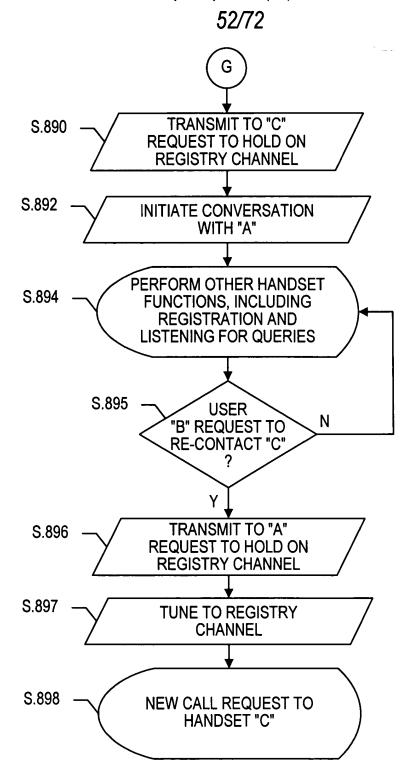
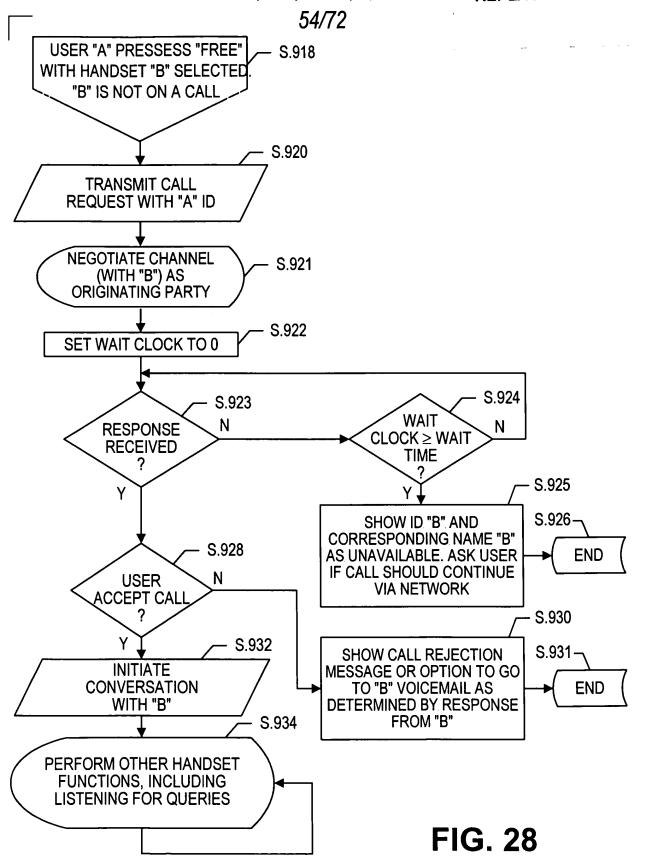


FIG. 27B

Docket No.: 1033-T00142-C3 Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 REPLACEMENT SHEET 53/72 HANDSET "C" IN S.900 CONVERSATION WITH HANDSET "B". HANDSET "B" **NEEDS TO PUT "C"** ON HOLD S.902 HOLD Ν REQUEST RECEIVED - S.904 REQUEST REFUSED TUNE TO REGISTRY CHANNEL S.906 S.905 PERFORM OTHER HANDSET **CALL** N FUNCTIONS, INCLUDING **REQUEST** REGISTRATION AND **RECEIVED** LISTENING FOR QUERIES S.908 S.907 ACCEPT CALL REQUEST **REQUEST** N FROM THAT HANDSET AS FROM "B" RECIPIENT S.910 **NEGOTIATE** CHANNEL (WITH "B") AS RECEIVING PARTY S.912 **INITIATE CONVERSATION** WITH "B" S.914 PERFORM OTHER HANDSET FUNCTIONS, INCLUDING **REGISTRATION AND**

FIG. 27C

LISTENING FOR QUERIES



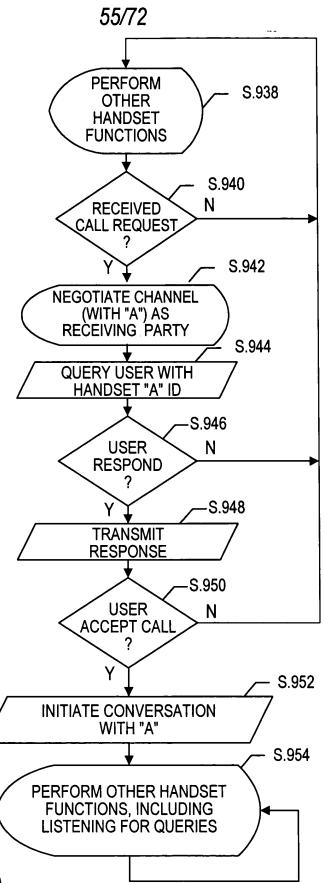
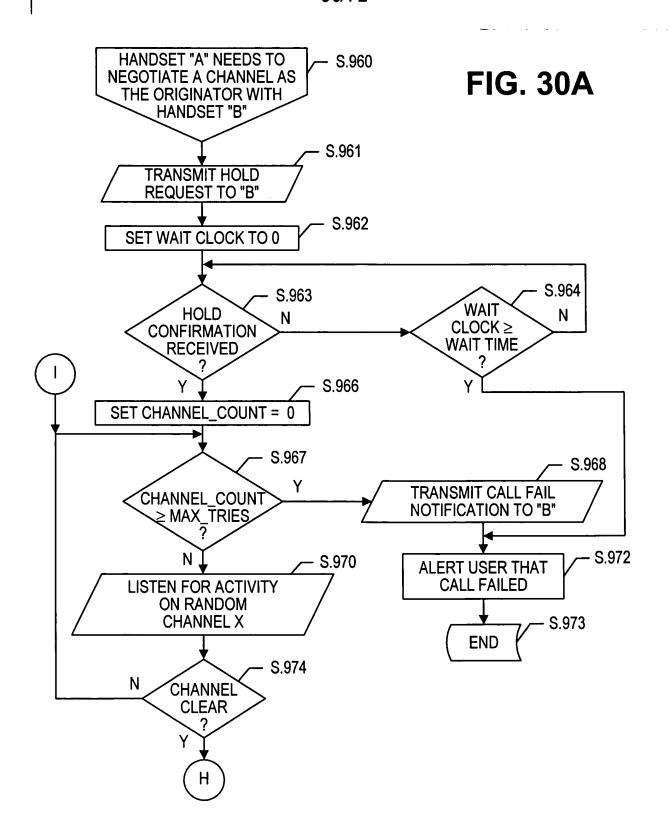
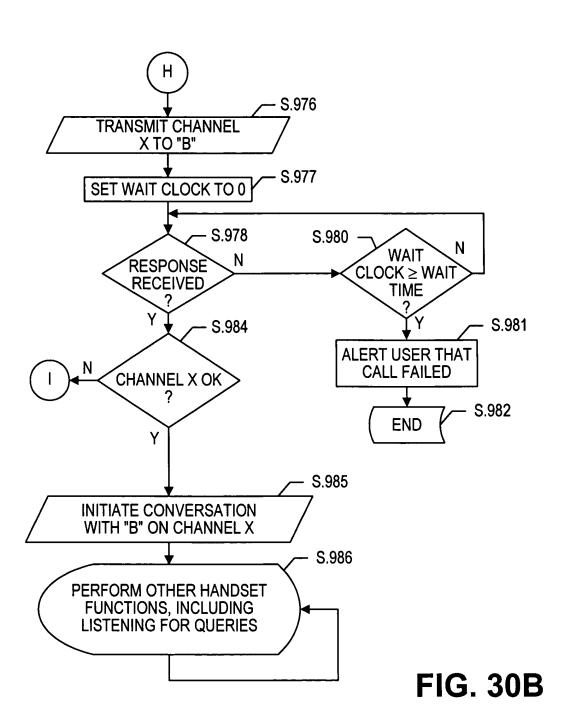


FIG. 29





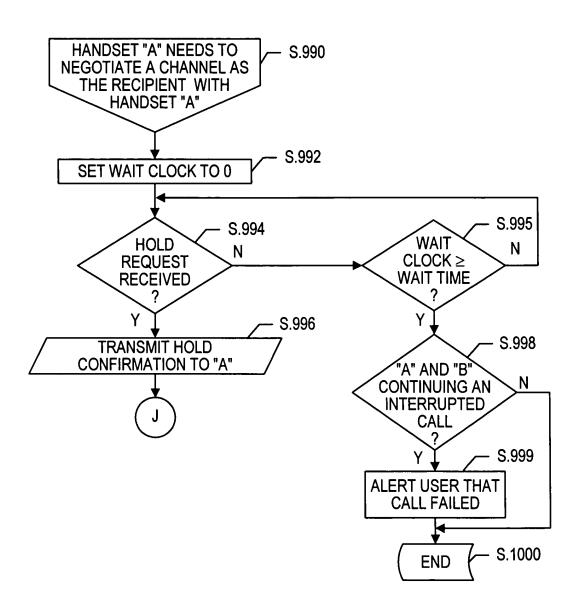
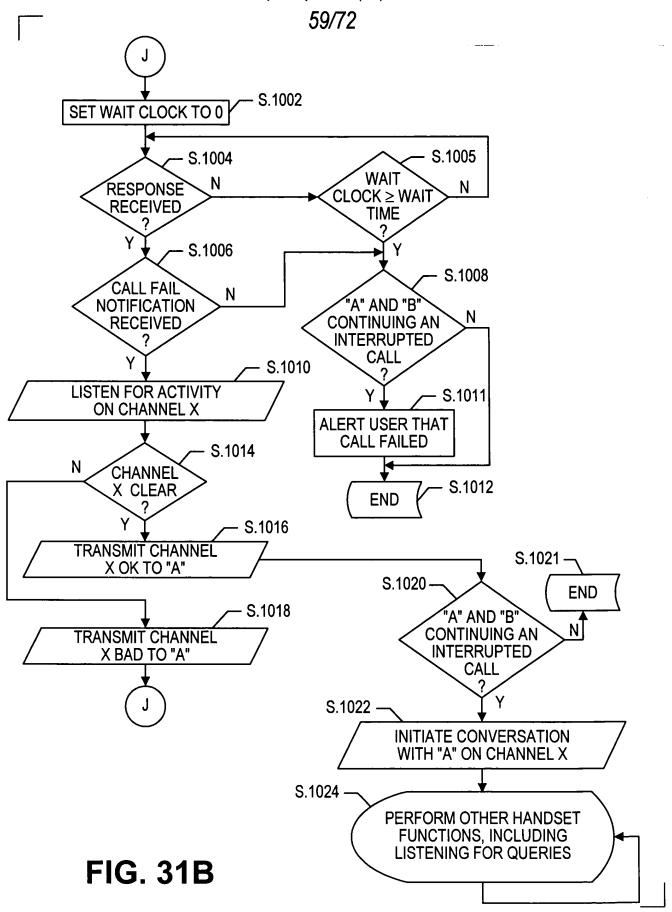
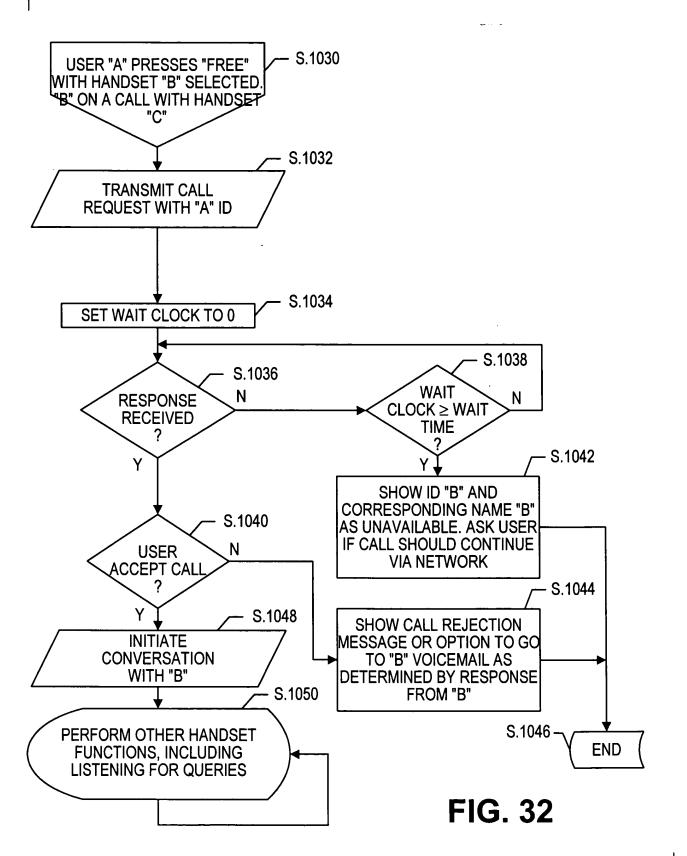
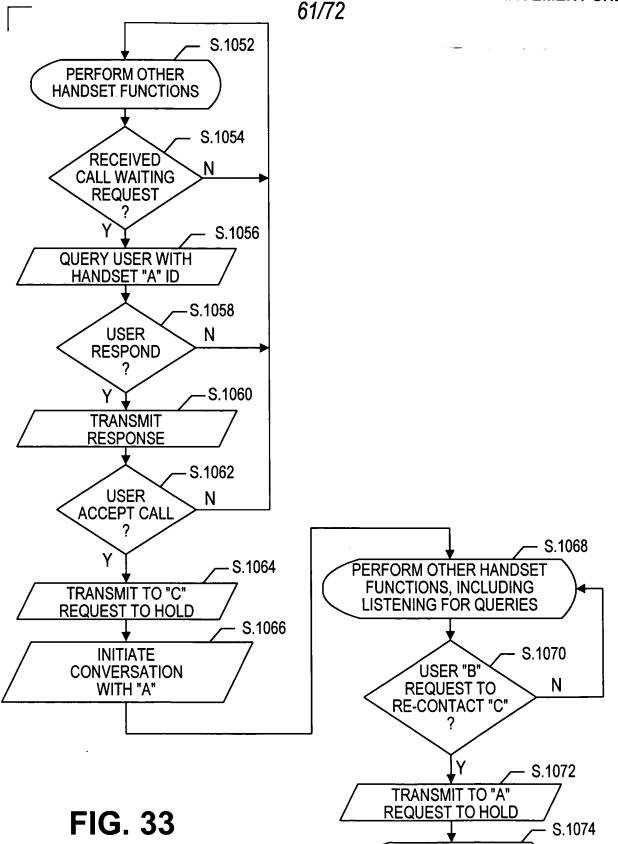


FIG.31A

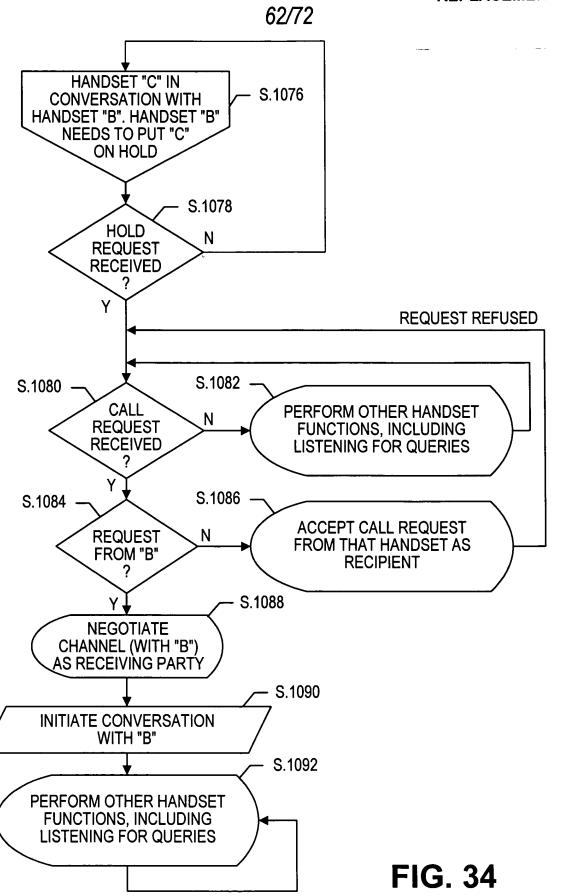




REPLACEMENT SHEET



NEW CALL REQUEST TO HANDSET "C"



REPLACEMENT SHEET

63/72

____ 2000

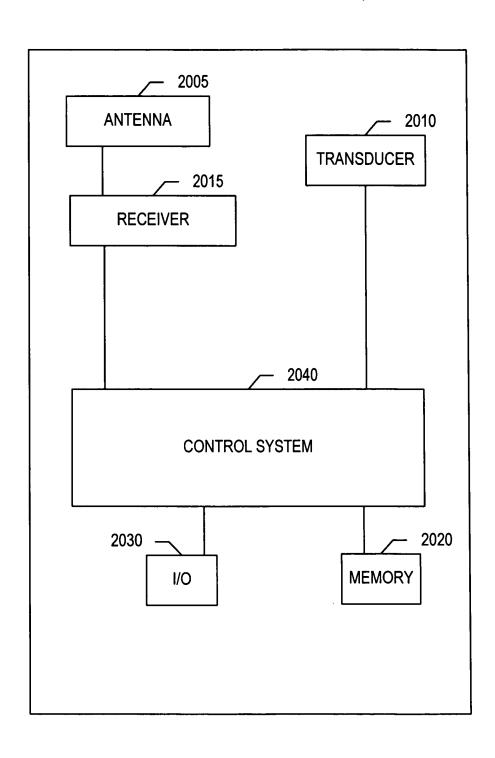


FIG. 35

— 3000

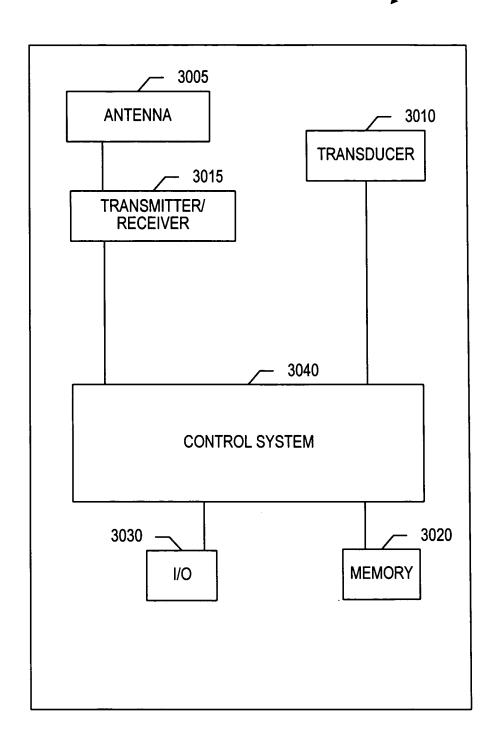
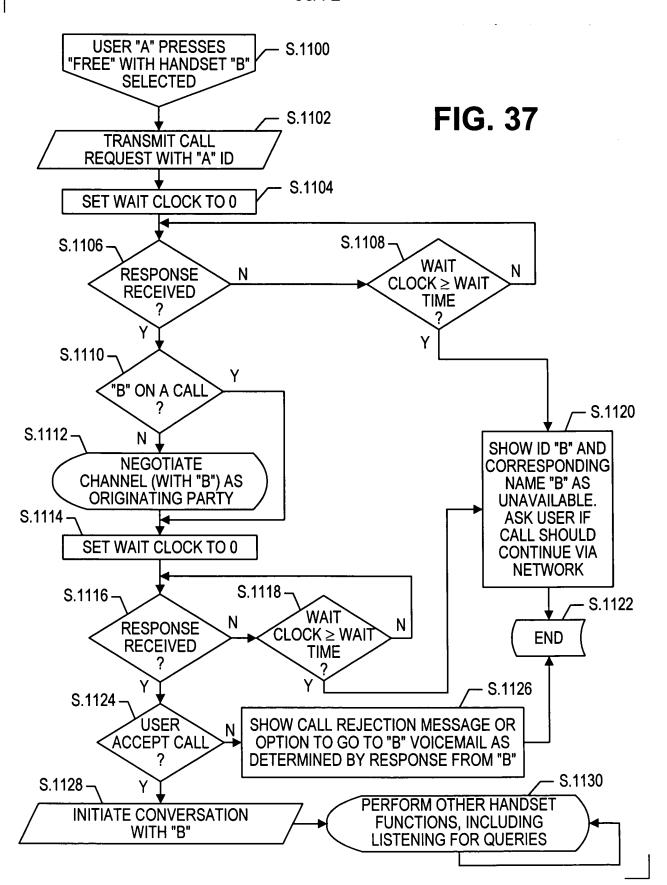
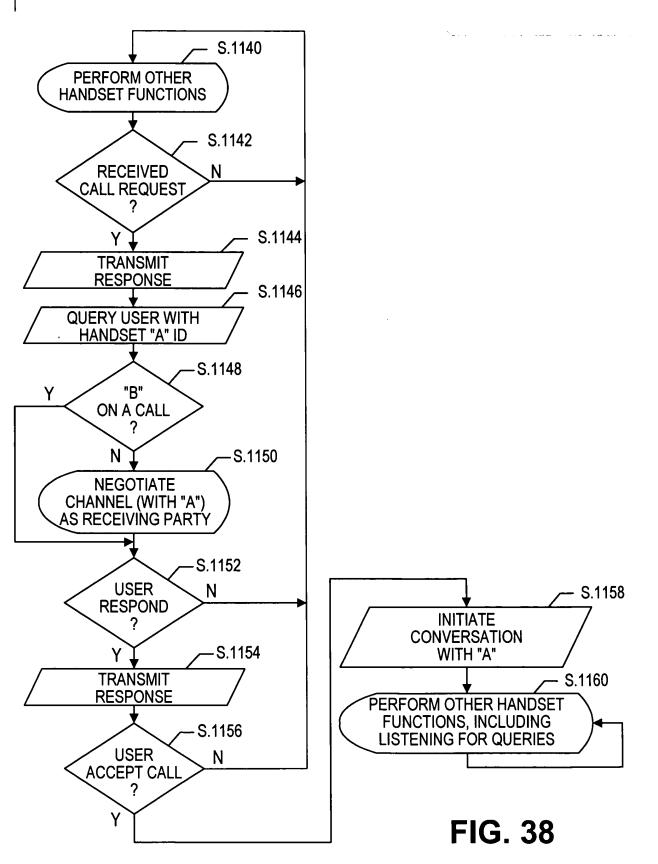


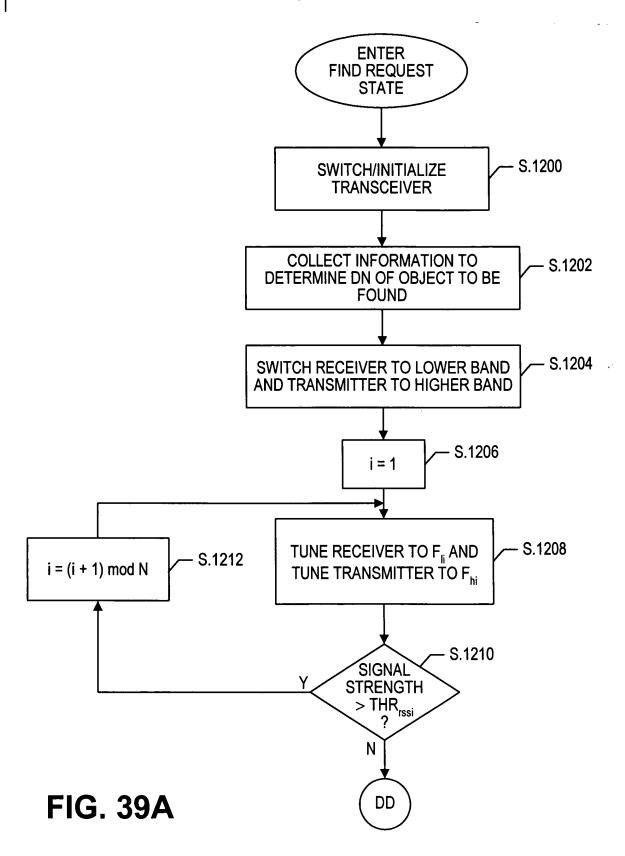
FIG. 36







REPLACEMENT SHEET



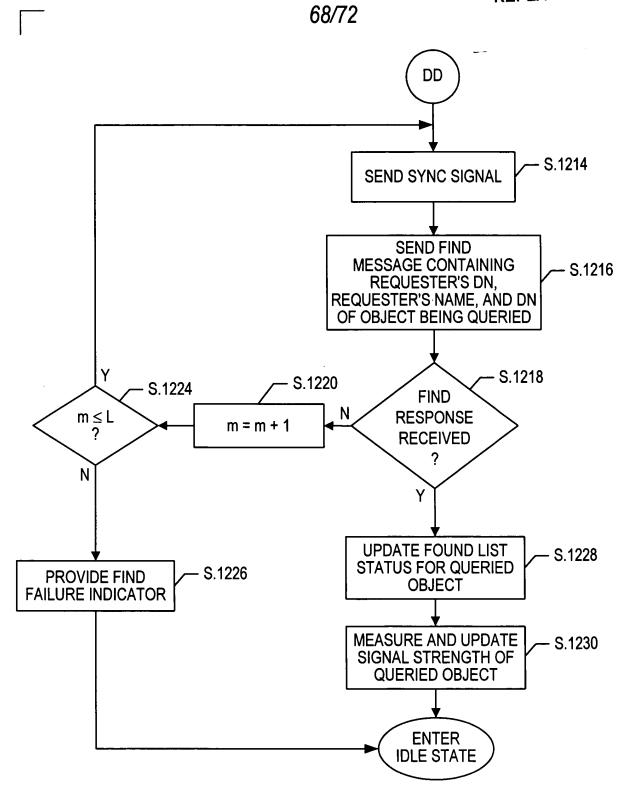


FIG. 39B

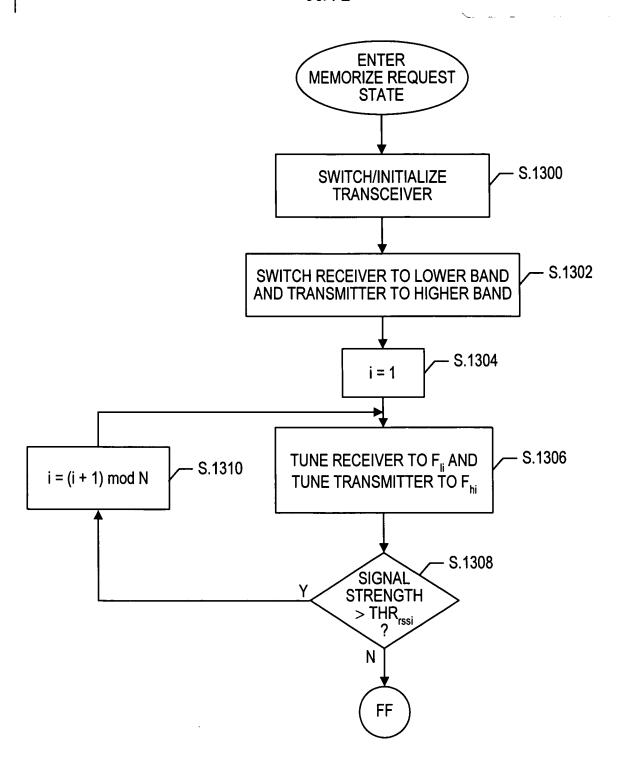


FIG. 40A

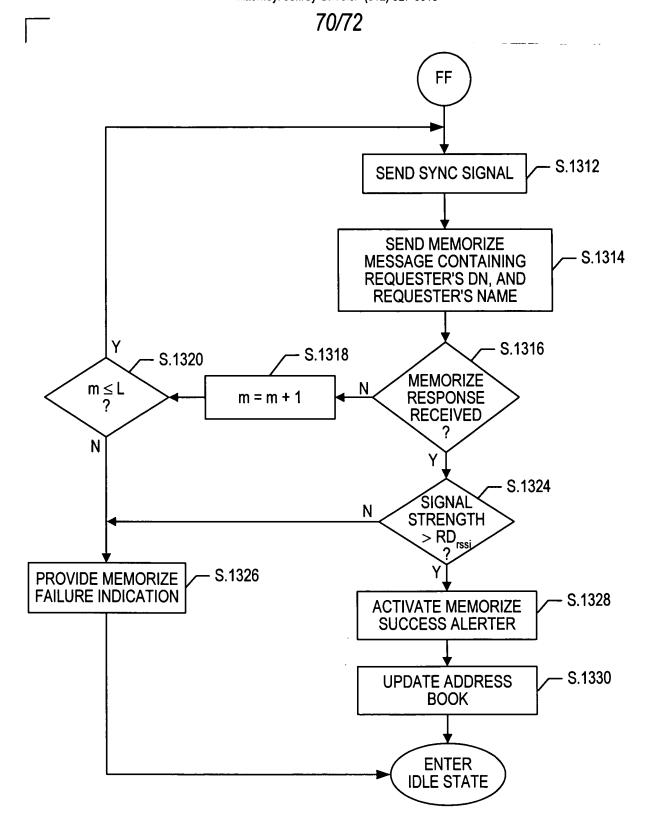


FIG. 40B

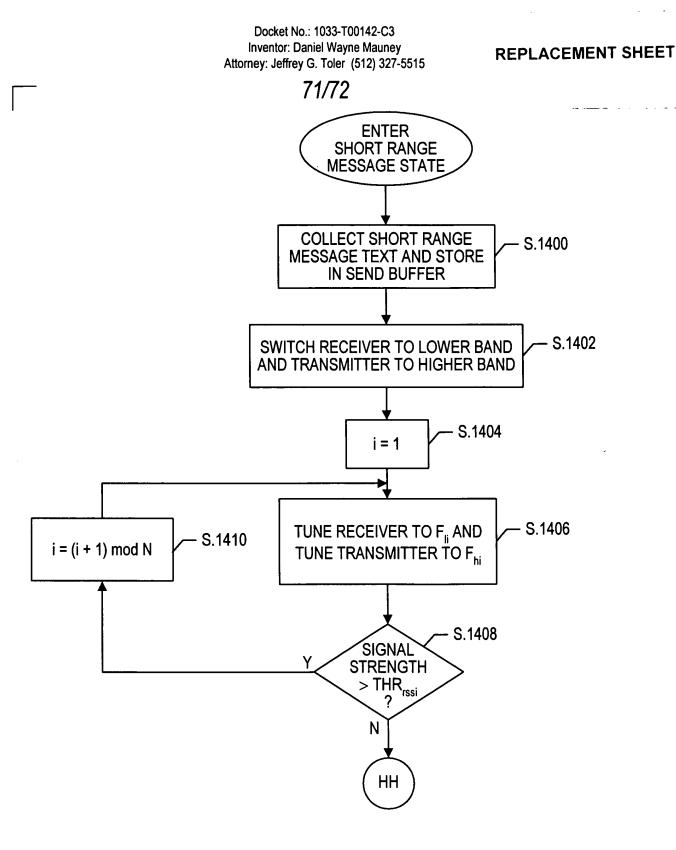


FIG. 41A

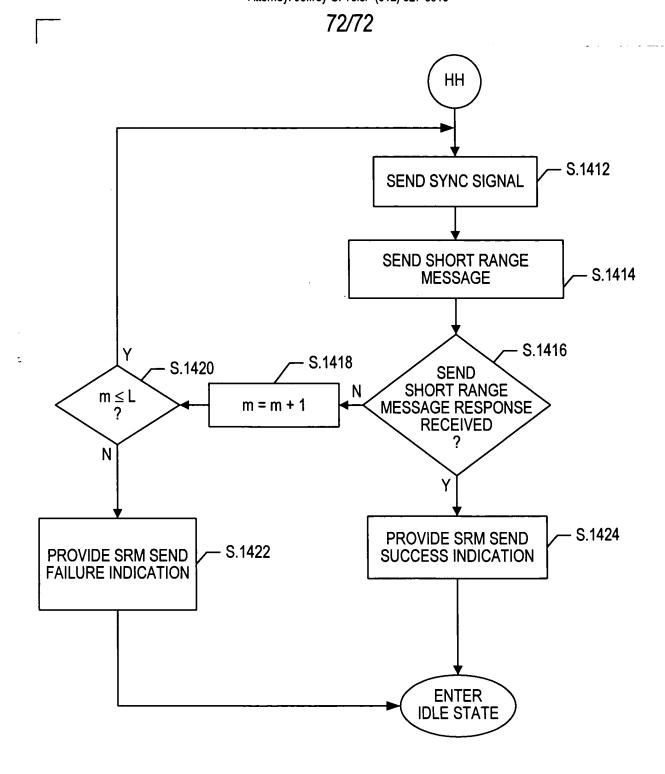


FIG. 41B